FEBRUARY 2025 ORDER OF SHEETS

Section No. Section No. Typical Sections and Details (Includes Erosion Control) Section No. Estimate of Quantities

Section No. Standard Detail Drawings Sign Plates

TOTAL SHEETS = 42

STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

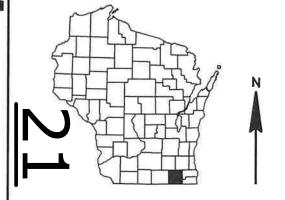
C WHITEWATER, INNOVATION DR

TECHNOLOGY DR TO HOWARD RD

LOCAL STREET **WALWORTH COUNTY**

> STATE PROJECT NUMBER 3835-00-75

> > R-15-E



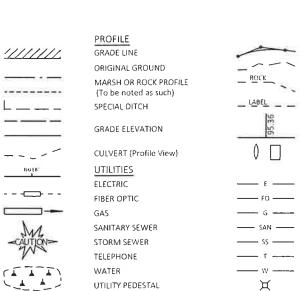
DESIGN DESIGNATION

2022 = 933 A.A.D.T. 2045 = 1208 D.H.V. = 187 D.D. ≈ 59/41 DESIGN SPEED = 30 MPH **ESALS** = N/A

CONVENTIONAL SYMBOLS

CORPORATE LIMITS PROPERTY LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVERY (Box or Pipe) COMBUSTIBLE FLUIDS MARSH AREA

WOODED OR SHRUB AREA

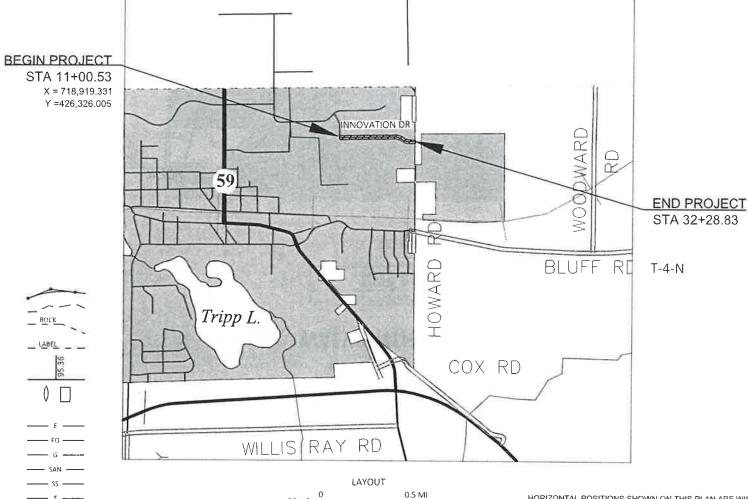


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POWER POLE

TELEPHONE POLE



HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WALWORTH COUNTY, NAD83 (2011), IN U.S. SURVEY FEET, POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B

DECENT ZACH

CITY OF WHITEWATER ORIGINAL PLANS PREPARED BY STRAND ROBE ASSOCIATES'

FEDERAL PROJECT

ACCEPTED FOR

CONTRACT

PROJECT

WISC 2025318

STATE PROJECT

3835-00-75

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Surveyor	STRAND ASSOCIATES, MIC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	JOSEPH JELACIC, P. E.
Regional Examiner	WISDOT SOUTHEAST REGION
Regional Supervisor	AMY TAETSCH, P.E.

PPROVED FOR THE DEPARTMENT

DATE 10/22/24

E

TOTAL NET LENGTH OF CENTERLINE = 0.403 MI

GENERAL NOTES

THE CENTERLINE OF INNOVATION DRIVE IS APPROXIMATELY THE MAINLINE REFERENCE LINE.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNLESS THE ENGINEER APPROVES THEIR REMOVAL. ANY SIGNS REMOVED DUE TO THE CONTRACTOR MEANS AND METHODS SHALL BE REPLACED BY THE

THE EXACT PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

ASPHALTIC PAVEMENT SUMMARY

1	NNOVATION DRIVE	
LAYER	THICKNESS	TYPE
UPPER LAYER	2-INCHES	4 MT 58-28 S
LOWER LAYER	3-INCHES	3 MT 58-28 S
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RUNOFF COEFFICIENT TABLE

					ı	HYDROLOGIC	SOIL GI	ROUP					
		А			В			С		D			
	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	
ROW CROPS:	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38	
ROW CROPS.	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56	
MEDIAN STRIPTURF:	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30	
IVIEDIAN STRIPTORF:	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40	
SIDE SLOPETURF:			.25			.27			.28			.30	
SIDE SLOPETORF:			.32			.34			.36			.38	
PAVEMENT:													
ASPHALT:						.70	95						
CONCRETE:						.80	95						
BRICK:	.7080												
DRIVES, WALKS:						.75	85						
ROOFS:						.75	95						
GRAVEL ROADS, SHOULDERS:						.40	60						

HWY: INNOVATION DR

TOTAL PROJECT AREA = 4.20 ACRES

3835-00-75

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.04 ACRES

FIRE CHIEF

DNR LIAISON

CRAIG WEBSTER

(262) 574-2141

DNR SERVICE CENTER

WAUKESHA, WI 53188

WHITEWATER MIDDLE SCHOOL

401 S ELIZABETH STREET

WHITEWATER, WI 53190

(262) 472-8300

141 NW BARTSOW ST ROOM 180

CRAIG.WEBSTER@WISCONSIN.GOV

KELLY FREEMAN WHITEWATER FIRE DEPARTMENT 312 W WHITEWATER ST WHITEWATER, WI 53190 (262) 473-0116 KFREEMAN@WHITEWATER-WI.GOV

DANIEL MEYER

CHIEF OF POLICE

WHITEWATER POLICE DEPARTMENT 312 W WHITEWATER ST WHITEWATER, WI 53190 (262) 473-1371 DMEYER@WHITEWATER-WI.GOV

WHITEWATER HIGH SCHOOL

534 S ELIZABETH STREET WHITEWATER, WI 53190 (262) 472-8100

WISDOT REGION CONTACT

JOE JELACIC SOUTHEAST REGION LOCAL-PROGRAM PROJECT MANAGER WISDOT SOUTHEAST REGION OFFICE 141 NW BARSTOW ST P.O. BOX 798 WAUKESHA, WI 53188 (262) 548-5902

CITY CONTACT

(262) 473-0139

JOSEPH.JELACIC@DOT.WI.GOV

BRAD MARQUARDT, P.E.

PUBLIC WORKS DIRECTOR

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WHITEWATER, WI 53190

BMARQUARDT@WHITEWATER-WI.GOV

DESIGN CONSULTANT

ZACH DECENT STRAND ASSOCIATES, INC. 910 WEST WINGRA DRIVE MADISON, WI 53715 (608) 251-4843

SEWRPC CONTACT

ROB MERRY CHIEF SURVEYOR W239 N1812 ROCKWOOD DRIVE P.O. BOX 1607 WAUKESHA, WI 53187-1607 (262) 953-4289 RMERRY@SEWRPC.ORG

ZACH.DECENT@STRAND.COM

* WE ENERGIES - ELECTRIC DIVISION

BMIÉLKE@WHITEWATER-WI.GOV

UTILITY CONTACTS

* CITY OF WHITEWATER - WATER

WATER UTILITY SUPERINTENDENT

JBERGNER@WHITEWATER-WI.GOV

UTILITY

JIM BERGNER

(262) 473-0560

* CITY OF WHITEWATER -

BEN MIELKE

WASTEWATER UTILITY

WASTEWATER UTILITY

SUPERINTENDENT

(262) 222-5908

STEVE KING (262) 968-5768 STEVE.KING@WE-ENERGIES.COM

* WE ENERGY - GAS DIVISION

SCOTT HOLSTEIN (262) 763-1084

or (800)242-8511 www.DiggersHotline.com

* DENOTES MEMBER OF DIGGERS HOTLINE

S:\MAD\1400--1499\1407\133\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020101-GN.DWG LAYOUT NAME - 020101-gn

GENERAL NOTES PLOT BY:

PLOT SCALE :

SHEET

WISDOT/CADDS SHEET 42

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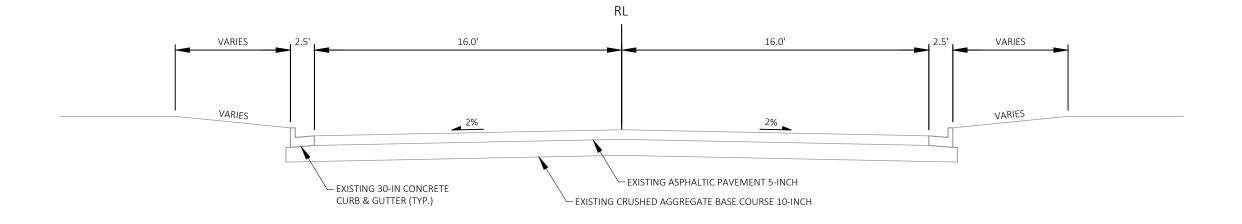
COUNTY: WALWORTH

PROJECT NO:

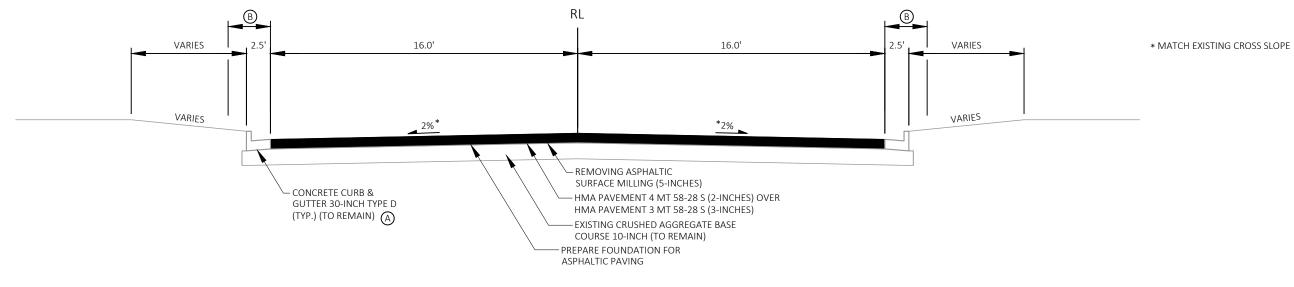


FILE NAME: S:\MAD\1400--1499\1407\133\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020201-PO.DWG PLOT DATE: 10/21/2024 2:46 PM PLOT BY: DECENT, ZACH PLOT NAME: PLOT NAME: 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 020201-po





EXISTING TYPICAL SECTION STA 11+00.53 - STA. 32+28.83



A CONCRETE CURB & GUTTER 30-INCH TYPE D SPOT REPLACEMENT REQUIRED. SEE CONSTRUCTION DETAIL "CONCRETE CURB AND GUTTER REPLACEMENT", "CONCRETE CURB AND GUTTER REPLACEMENT", AND PLAN DETAILS FOR

STA 11+00.53 - STA. 32+28.83 ADDITIONAL INFORMATION.

(B) 4' LATERAL CLEARANCE

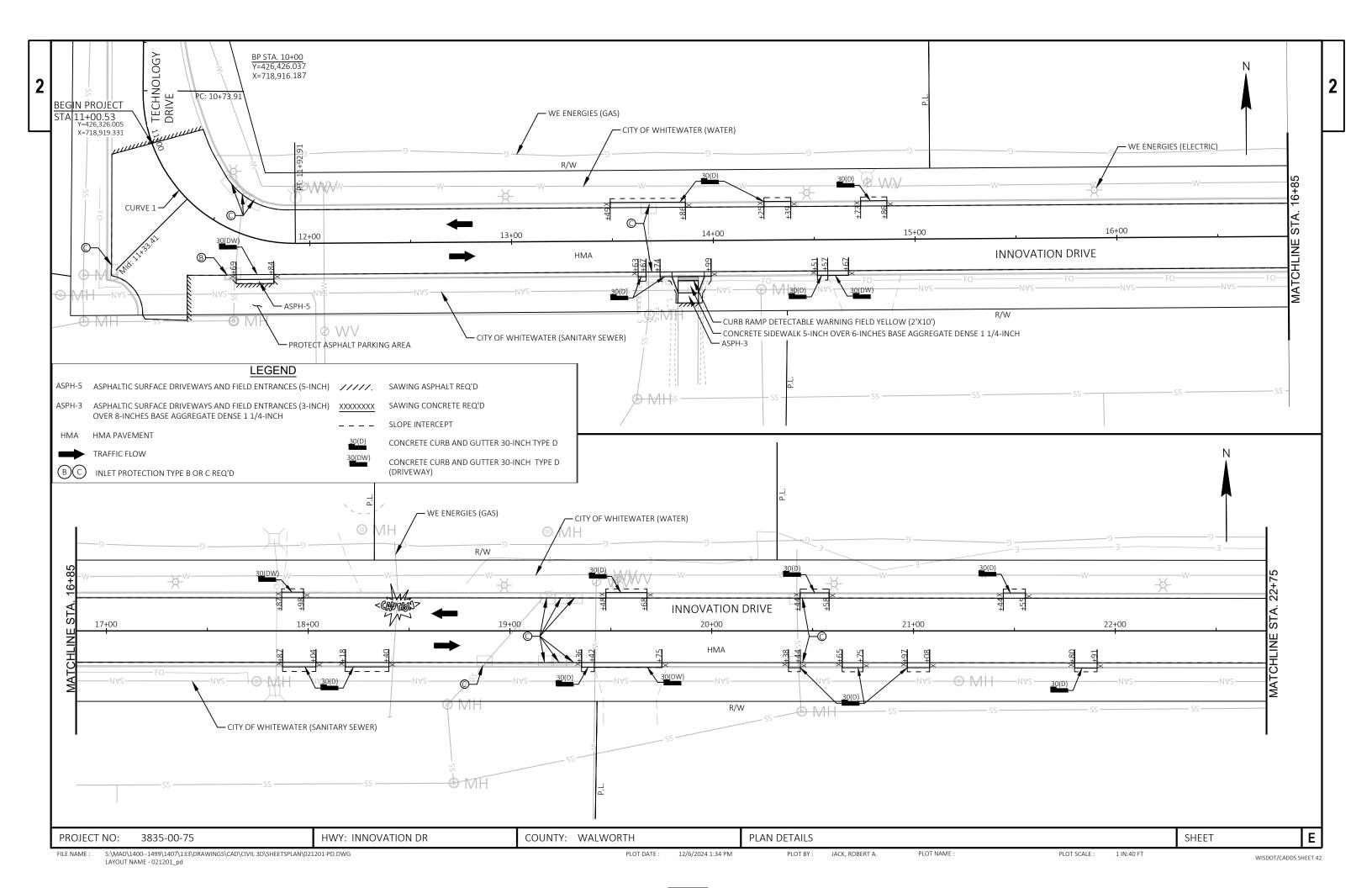
PROJECT NO: Ε 3835-00-75 HWY: INNOVATION DR COUNTY: WALWORTH TYPICAL SECTIONS SHEET

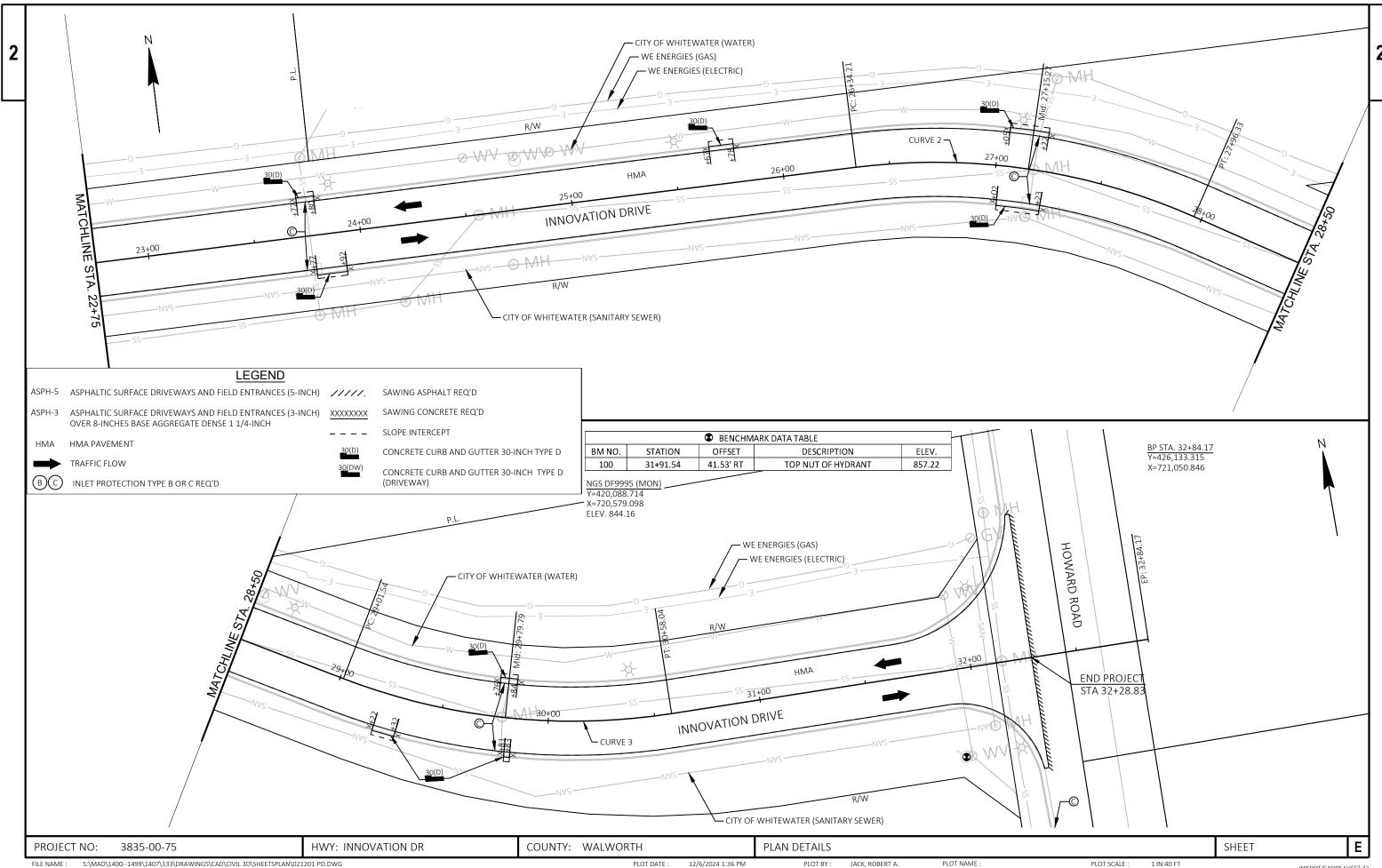
FINISHED TYPICAL SECTION

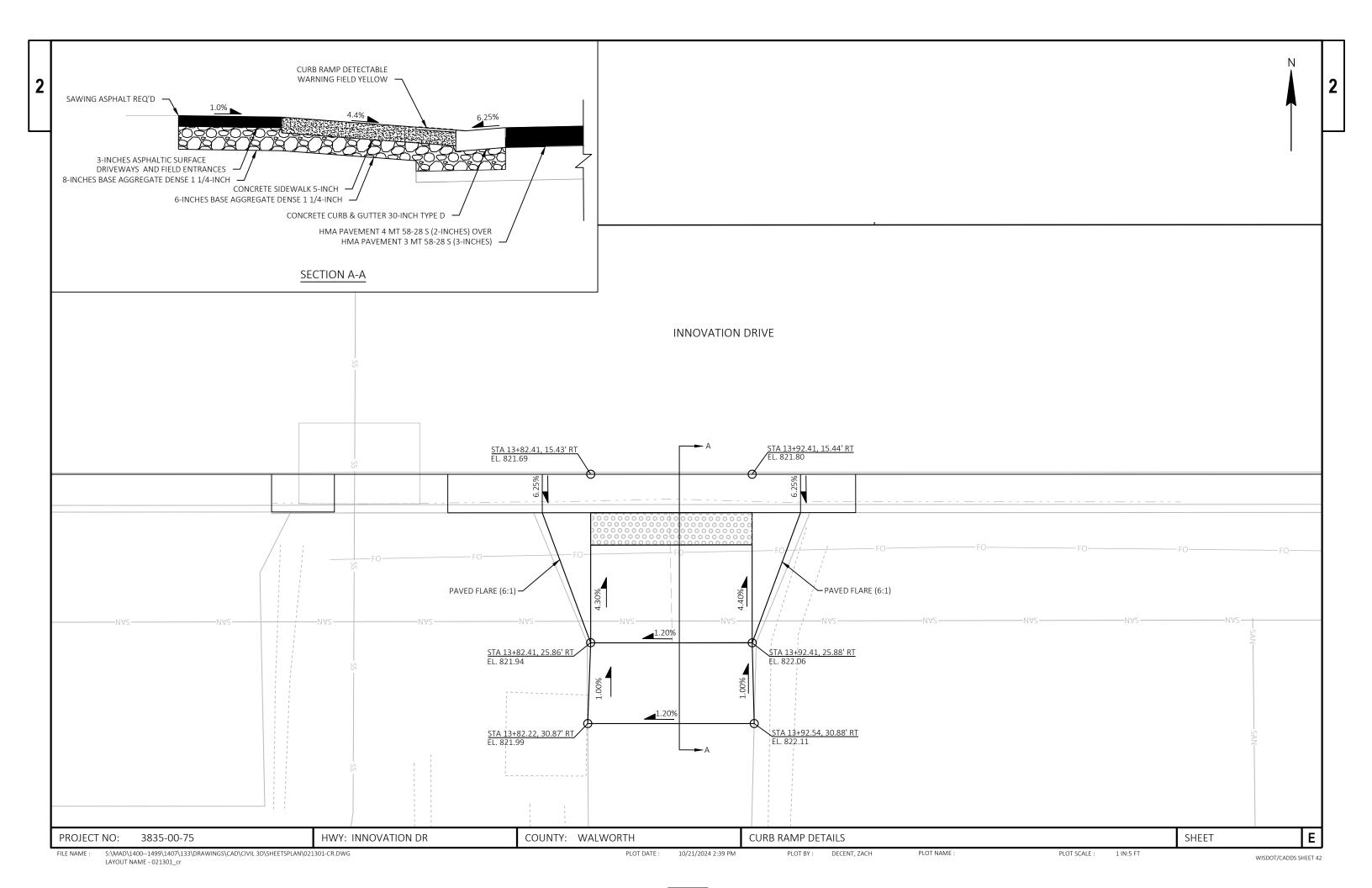
PLOT SCALE :

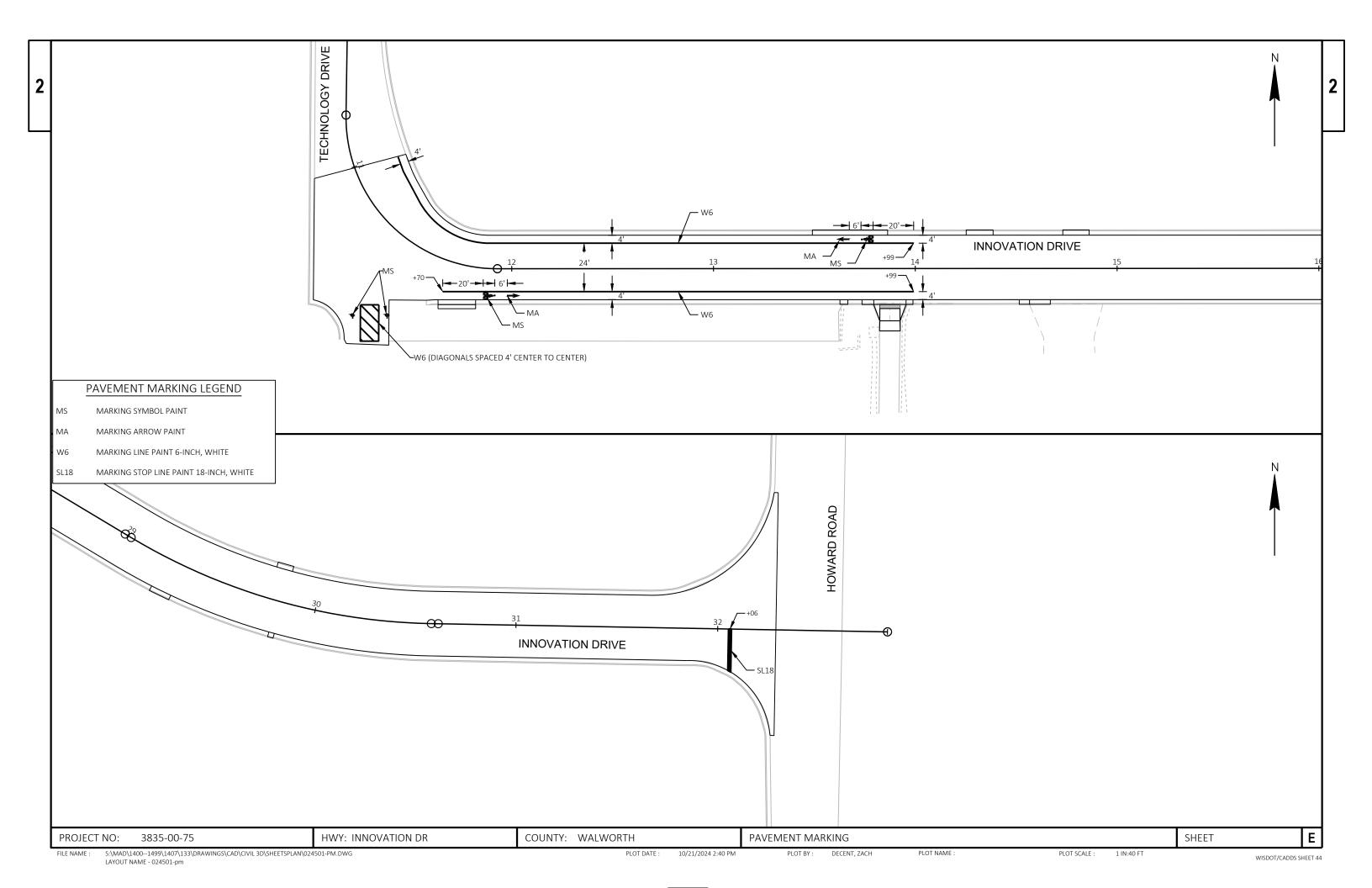
VARIES \bigcirc - SAWING ASPHALT REQ'D ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (5-INCHES) BASE AGGREGATE DENSE 1 1/4-INCH (VARIABLE DEPTH, 6-INCH MIN.) - CONCRETE CURB & GUTTER 30-INCH TYPE D CONCRETE CURB & GUTTER 30-INCH (DRIVEWAY) 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH - 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH HMA PAVEMENT 4 MT 58-28 S (2-INCHES) OVER HMA PAVEMENT 3 MT 58-28 S (3-INCHES) - HMA PAVEMENT 4 MT 58-28 S (2-INCHES) OVER HMA PAVEMENT 3 MT 58-28 S (3-INCHES) - EXISTING CRUSHED AGGREGATE BASE COURSE (TO REMAIN) - EXISTING CRUSHED AGGREGATE BASE COURSE (TO REMAIN) (A) TOPSOIL; FERTILIZER TYPE A; SEEDING MIXTURE NO. 40; AND MULCHING REQ'D. NOTE: RIGHT SIDE SHOWN. MIRRORED FOR LEFT SIDE DRIVEWAY CONCRETE CURB AND GUTTER REPLACEMENT CONCRETE CURB AND GUTTER REPLACEMENT (STA. 11+70 RT - STA. 11+84 RT) (SEE PLAN DETAILS FOR LOCATIONS) Ε PROJECT NO: 3835-00-75 HWY: INNOVATION DR COUNTY: WALWORTH CONSTRUCTION DETAILS SHEET FILE NAME : S:\MAD\1400--1499\1407\133\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021001-CD.DWG 10/21/2024 2:30 PM PLOT BY: DECENT, ZACH PLOT NAME : PLOT SCALE : 1 IN:2 FT

WISDOT/CADDS SHEET 42 LAYOUT NAME - 021001-cd









THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

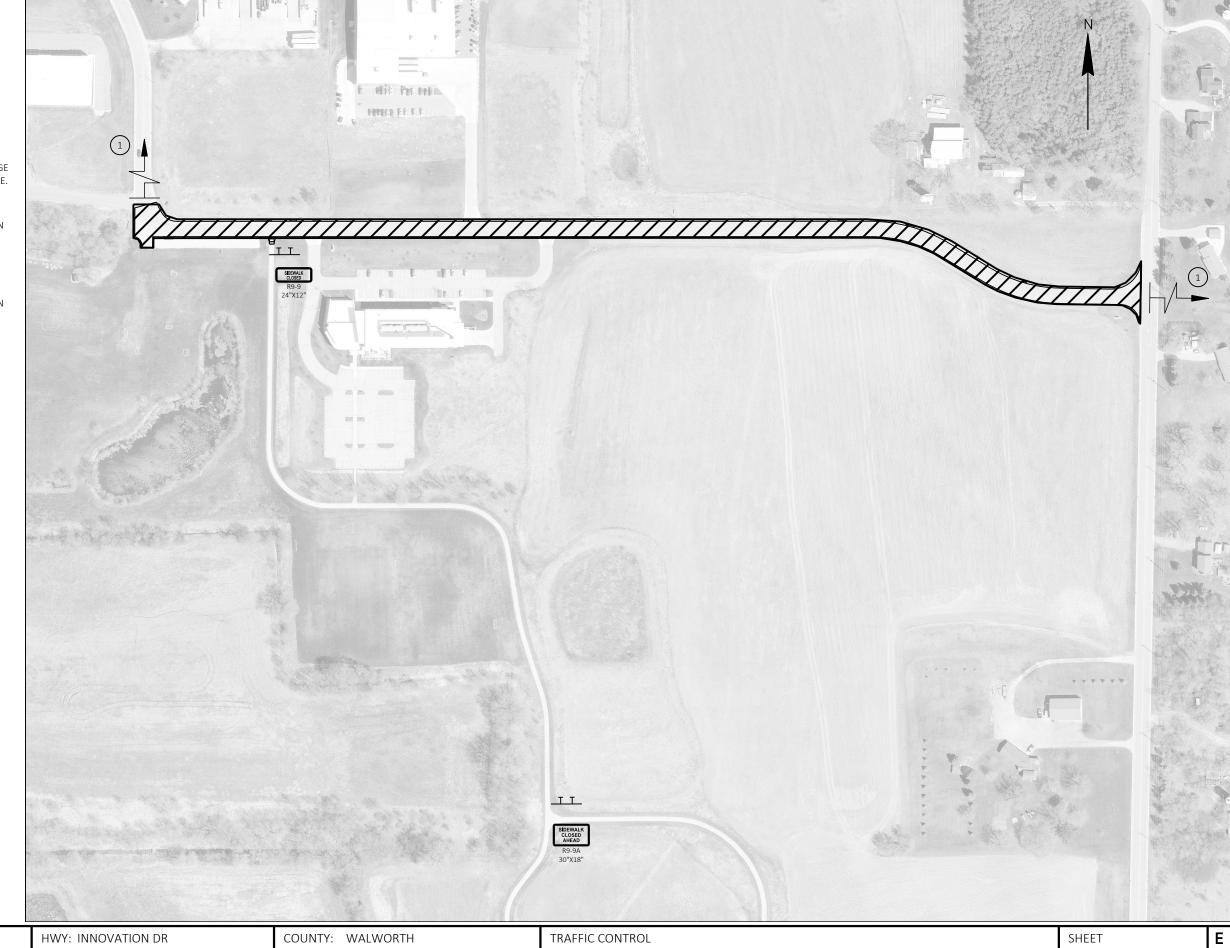
ALL "WO" AND "W" SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE TO BE INSTALLED ONE WEEK PRIOR TO ROADWAY CLOSURE.

- 1 PLACE ADVANCED WARNING SIGNS AND ROAD CLOSURE IN ACCORDANCE WITH STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" (DETAIL C), AND "BARRICADES AND SIGNS FOR VARIOUS CLOSURES"(DETAIL E).
- 2 PLACE ADVANCED WARNING SIGNS AND ROAD CLOSURE IN ACCORDANCE WITH STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" (DETAIL 1).

LEGEND

WORK ZONE



S:\MAD\1400--1499\1407\133\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025001-TC.DWG

3835-00-75

PROJECT NO:

10/21/2024 2:40 PM

PLOT BY: DECENT, ZACH

PLOT SCALE :

PLOT NAME :

1 IN:200 FT

WISDOT/CADDS SHEET 42

3835-00-75	

Line	Item	Item Description	Unit	Total	Qty
0002	204.0120	Removing Asphaltic Surface Milling	SY	7,990.000	7,990.000
0002	204.0120	Removing Curb & Gutter	LF	390.000	390.000
0004	205.0100	Excavation Common	CY	138.000	138.000
0008	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 3835-00-75	EACH	1.000	1.000
0010	213.0100	Finishing Roadway (project) 01. 3835-00-75	EACH	1.000	1.000
0010	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	108.000	108.000
0012	305.0130	Base Aggregate Dense 3-Inch	TON	35.000	35.000
0014	455.0605	Tack Coat	GAL	400.000	400.000
0018	460.2000	Incentive Density HMA Pavement	DOL	1,430.000	1,430.000
0020	460.6223	HMA Pavement 3 MT 58-28 S	TON	1,340.000	1,340.000
0020	460.6224	HMA Pavement 4 MT 58-28 S	TON	895.000	895.000
0022			TON	2.000	2.000
	465.0120	Asphaltic Surface Driveways and Field Entrances			
0026	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	390.000	390.000
0028	602.0410	Concrete Sidewalk 5-Inch	SF	105.000	105.000
0030	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	20.000	20.000
0032	618.0100	Maintenance and Repair of Haul Roads (project) 01. 3835-00-75	EACH	1.000	1.000
0034	619.1000	Mobilization	EACH	1.000	1.000
0036	624.0100	Water	MGAL	1.100	1.100
0038	625.0100	Topsoil	SY	100.000	100.000
0040	627.0200	Mulching	SY	266.000	266.000
0042	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0044	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0046	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0048	628.7015	Inlet Protection Type C	EACH	23.000	23.000
0050	629.0205	Fertilizer Type A	CWT	0.200	0.200
0052	630.0140	Seeding Mixture No. 40	LB	4.500	4.500
0054	630.0300	Seeding Borrow Pit	LB	2.200	2.200
0056	630.0500	Seed Water	MGAL	5.900	5.900
0058	642.5001	Field Office Type B	EACH	1.000	1.000
0060	643.0300	Traffic Control Drums	DAY	585.000	585.000
0062	643.0420	Traffic Control Barricades Type III	DAY	468.000	468.000
0064	643.0705	Traffic Control Warning Lights Type A	DAY	936.000	936.000
0066	643.0900	Traffic Control Signs	DAY	468.000	468.000
0068	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0070	643.5000	Traffic Control	EACH	1.000	1.000
0072	646.2005	Marking Line Paint 6-Inch	LF	600.000	600.000
0074	646.5005	Marking Arrow Paint	EACH	2.000	2.000
0076	646.5205	Marking Symbol Paint	EACH	4.000	4.000
0078	646.6105	Marking Stop Line Paint 18-Inch	LF	22.000	22.000
0800	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	390.000	390.000
0082	650.9000	Construction Staking Curb Ramps	EACH	1.000	1.000
0084	650.9911	Construction Staking Supplemental Control (project) 01. 3835-00-75	EACH	1.000	1.000
0086	690.0150	Sawing Asphalt	LF	205.000	205.000
0088	690.0250	Sawing Concrete	LF	120.000	120.000
0090	740.0440	Incentive IRI Ride	DOL	1,611.000	1,611.000
3000	1-10.0770	moonavo narrado	DOL	1,011.000	1,011.000

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A 1 + 0	REMOVI NG	S ASPHALTIC SURFACE	MI LLI NG					EXCAVATION COMMO	N			
11-00 11-00 32-27 CURB AND GUTTER REPLACEMENT 98 13-80 13-80 13-80			SY	CATEGOR	y STATION	- STATION		LOCATION	EXCAVATI COMMON	ON BASE AGGRE DENSE 3-1	GATE NCH W	ASTE CY
13-80 - 13-90 PATH REPLACEMENT 5 3-5	0010	11+00 - 32+27	7, 770	CATEON	1 31/111011	317(11.0)		LOCATION	O I	1011		CI
NOTE SOUTH SOUTH				0010								
REMOVING CURB & GUTTER NOTE: FBS TO BE BACKFILLED WITH BASE AGGREGATE DENSE 3-INCH 138 35 35 35 35 35 35 35					13+80	- 13+96						
NOTE: EBS TO BE BACKFILLED WITH BASE AGGREGATE DENSE 3-INCH STATEORY STATE ON STATE ON LF							UI	NDI 21KI BUTED	35	35		35
STATION - STATION - STATION LF STATION - STATION LOCATION STATION STA					T01	TALS			138	35		138
CATEGORY STATION - STATION LF STATION LF	RE	EMOVING CURB & GUTTE	R	NOTE:	EBS TO E	BE BACKFILLI	ED WITH BAS	E AGGREGATE DENSE 3-11	NCH			
BASE AGGREGATE DENSE BASE AGGREGATE DENSE BASE AGGREGATE BASE AGGR	CATEGORY	STATION - STATION										
STATION STAT	0010	11+00 - 32+27	390					BASE AGGREGATE DEL	NSF			
PREPARE FUNDATION FOR ASPHALTIC PAVING 211.0101 CATEGORY PROJECT EACH EACH PROJECT EACH EACH PROJECT EACH E				-				DAGE AGGREGATE DE	101			
CATEGORY STATION STA										BASE AGGREGATE		
O010				_	CATEGORY	STATION -	STATI ON	LOCATI ON			MGAL	<u> </u>
211.0101	PREPARE	E FOUNDATION FOR ASF	PHALTIC PAVING	<u></u>	0010	11+00 -	37±77	CUDE AND CUTTED DEDI	ACEMENT	45	0.7	
CATEGORY PROJECT EACH UNDISTRIBUTED (EBS) 36 0.4			211. 0101		0010							
ASPHALTIC ITEMS FINISHING ROADWAY 460. 6223 460. 6224 455. 0605 465 HMA PAVEMENT HMA PAVEMENT TACK ASPHALT 213. 0100 3 MT 58-28 S 4 MT 58-28 S COAT DRIVE	CATEGORY	PROJECT								36		
FINI SHI NG ROADWAY 460. 6223 460. 6224 455. 0605 465 HMA PAVEMENT HMA PAVEMENT TACK ASPHALT 213. 0100 3 MT 58-28 S 4 MT 58-28 S COAT DRIVE	0010	. 01 3835-00-75	1				_	TOTALS		108	1. 1	_
FINI SHI NG ROADWAY 460. 6223 460. 6224 455. 0605 465 HMA PAVEMENT HMA PAVEMENT TACK ASPHALT 213. 0100 3 MT 58-28 S 4 MT 58-28 S COAT DRIVE												
### A PAVEMENT HAVE PAVEMENT TACK ASPHALT 213.0100 CATECORY PROJECT FACE CATECORY PROJECT FACE 3 MT 58-28 S COAT DRIVE								ASPHALTIC I	TEMS			
213.0100 3 MT 58-28 S 4 MT 58-28 S COAT DRIVE		FINISHING ROADV	IAY					460. 6223	460. 6224	305. 0120 624. 0100 BASE AGGREGATE WATER DENSE 1 1/4-INCH TON MGAL 65 0. 7 7 0. 1 36 0. 4 108 1. 1 4 455. 0605 465. 0120 ENT TACK ASPHALTIC SUI	. 0120	
CATECODY DOUBLET FACILITY			212 0100									
	CATEGORY	PROJECT						3 MT 58-28 S	4 MT 58-28	S COAT		
	0010	01 3925 00 75	1		ATEGORY	STATION -	STATION	TON	TON	GAL		
	0010	.01 3033-00-73	I		0010	11+00 -	32+27	1, 340	895	400		2
NOTE: HMA PAVEMENT WEIGHT CALCULATIONS BASED ON 112 LB/SY/IN.				NO	TE: HWV DV/	/EMENT WELC	HT CALCULAT	INNS RASEN ON 110 ID/	SV/IN			

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CONCRETE CURB & GUTTER 30-INCH TYPE D 601.0411					02.0410	602. 0505	650. 90	000	
O010 11+00 - 32+27 RT/LT 390				C(S)	ONCRETE IDEWALK I 5-INCH	CURB RAMP DETECTABLE WARNING	CONSTRUC STAKI CURB RA	CTION NG	
		CATEGORY	STATI ON I	LOCATI ON	SF	SF	EACH	Н	
		0010	13+87	RT	105	20	1		
MAINTENANCE AND REPAIR OF HAUL ROADS				FINISH	ING ITEMS				
618.0100 CATEGORY PROJECT EACH				625. 0100 T0PS0I L) 627. 0200	629. 0205 FERTI LI ZER TYPE A		630. 0300 SEEDI NG BORROW	
0020 . 01 3835-00-75 1	CATEGORY	STATION - STATION	LOCATI ON	SY	SY	CWT	NO. 40	PI T LB	MGAL
	0010	11+00 - 32+27 WASTE SITE	LT/RT -	100	100 166	0. 1 0. 1	4. 5 	2. 2	2. 2 3. 7
			TOTALS	100	266	0. 2	4. 5	2. 2	5. 9
MOBI LI ZATI ON									
619. 1000				INLET F	PROTECTI ON				
		CATEGOR	RY S	INLET F	PROTECTION LOCATION	628. 7010 TYPE B EACH	628. 7015 TYPE C EACH		
619. 1000 CATEGORY PROJECT EACH		CATEGOR 0010				TYPE B	TYPE C		
619. 1000 CATEGORY PROJECT EACH				TATI ON 11+33 11+46	LOCATION RT LT	TYPE B EACH 	TYPE C		
619. 1000 CATEGORY PROJECT EACH				TATI ON 11+33 11+46 11+56	LOCATION RT LT LT	TYPE B EACH	TYPE C		
619. 1000 CATEGORY PROJECT EACH 0010 3835-00-75 1				TATI ON 11+33 11+46 11+56 11+68	LOCATION RT LT LT RT	TYPE B EACH 	TYPE C		
619. 1000 CATEGORY PROJECT EACH				TATI ON 11+33 11+46 11+56	LOCATION RT LT LT	TYPE B EACH 1	TYPE C		
CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILIZATIONS				TATI ON 11+33 11+46 11+56 11+68 11+68 13+68 18+88	LOCATION RT LT LT RT LT RT LT RT/LT RT/	TYPE B EACH 1	TYPE C EACH 1 1 1 1 1		
619. 1000 CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILI ZATI ONS 628. 1905 628. 1910				TATI ON 11+33 11+46 11+56 11+68 11+68 13+68 18+88 19+18	LOCATION RT LT LT RT LT RT/LT RT/LT RT/LT	TYPE B EACH 1 1	TYPE C EACH 1 1 1 1 1		
CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILIZATIONS				TATI ON 11+33 11+46 11+56 11+68 11+68 13+68 18+88 19+18	LOCATION RT LT LT RT LT RT/LT RT/LT RT/LT RT/LT	TYPE B EACH 1	TYPE C EACH 1 1 1 1 1		
CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILIZATIONS 628. 1905 628. 1910 MOBILIZATIONS MOBILIZATIONS BROSI ON EMERGENCY CONTROL EROSI ON EROSI ON			- - - - -	TATI ON 11+33 11+46 11+56 11+68 11+68 13+68 18+88 19+18 19+25 19+32	LOCATION RT LT LT RT LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT	TYPE B EACH 1	TYPE C EACH 1 1 1 1 2 1 2 2 2 2		
CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILIZATIONS 628. 1905 628. 1910 MOBILIZATIONS 628. 1905 MOBILIZATIONS EROSI ON EMERGENCY CONTROL EROSI ON CONTROL			-	TATI ON 11+33 11+46 11+56 11+68 11+68 13+68 18+88 19+18 19+25 19+32 20+43	LOCATION RT LT LT RT LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT	TYPE B EACH 1	TYPE C EACH 1 1 1 1 1		
CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILIZATIONS 628. 1905 628. 1910 MOBILIZATIONS MOBILIZATIONS BROSI ON EMERGENCY CONTROL EROSI ON EROSI ON				TATI ON 11+33 11+46 11+56 11+68 11+68 13+68 18+88 19+18 19+25 19+32	LOCATION RT LT LT RT LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT	TYPE B EACH 1 1	TYPE C EACH 1 1 1 1 2 1 2 2 2 2		
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CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILIZATIONS 628. 1905 628. 1910 MOBILIZATIONS 628. 1905 MOBILIZATIONS EROSI ON EMERGENCY CONTROL EROSI ON CONTROL				TATI ON 11+33 11+46 11+56 11+68 11+68 13+68 18+88 19+18 19+25 19+32 20+43 23+76 27+18	LOCATION RT LT LT RT LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT RT/LT	TYPE B EACH 1 1	TYPE C EACH 1 1 1 1 2 1 2 2 2 2 2 2 2		
CATEGORY PROJECT EACH 0010 3835-00-75 1 EROSI ON CONTROL MOBILIZATIONS 628. 1905 628. 1910 MOBILIZATIONS MOBILIZATIONS EROSI ON EMERGENCY CONTROL EROSI ON CONTROL EROSI ON CONTROL CONTROL EACH				TATION 11+33 11+46 11+56 11+68 11+68 13+68 18+88 19+18 19+25 19+32 20+43 23+76 27+18	LOCATION RT LT LT RT LT RT/LT	TYPE B EACH 1 1	TYPE C EACH 1 1 1 1 2 1 2 2 2 2 2 2 2	- -	

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E

TRAFFIC CONTROL AND ADVANCED WARNING ITEMS

		DURATI ON		0300 CONTROL JMS	643. (TRAFFI C BARRI CADE:		TRAFFI	3.0705 C CONTROL IGHTS TYPE A	643.0 TRAFFIC SIG	CONTROL	643. TRAFFIC SIGNS	CONTROL
CATEGORY	STAGE	(DAYS)	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAYS
0010	ADVANCED WARNING (PCMS)	7									2	14
	UNDI STRI BUTED	39	15	585	12	468	24	936	12	468		
	TOTALS			585		468		936		468		14

FIEL	D OFFICE TYPE B					PAVEMENT MARKIN	IG ITEMS		
		642. 5001				646. 2005	646. 6105	646. 5005	646. 5205
CATEGORY	PROJECT	EACH				MARKING	MARKING STOP	MARKI NG	MARKI NG
						LINE	LINE PAINT	ARROW	SYMBOL
0010	3835-00-75	1				PAINT 6-INCH	18-INCH	PAINT	PAI NT
			CATEG	GORY	LOCATI ON	LF	LF	EA	EA
			001	10	INNOVATION DRIVE	600	22	2	4

	TRAFFIC CONTROL				
			CONSTRUC	CTION STAKING SUPPLEMEN	TAL (
		643. 5000			
CATEGORY	PROJECT	EACH			(
			CATEGORY	PROJECT	
0010	3835-00-75	1			
0010	0000 00 70	•	0010	. 01 3835-00-75	

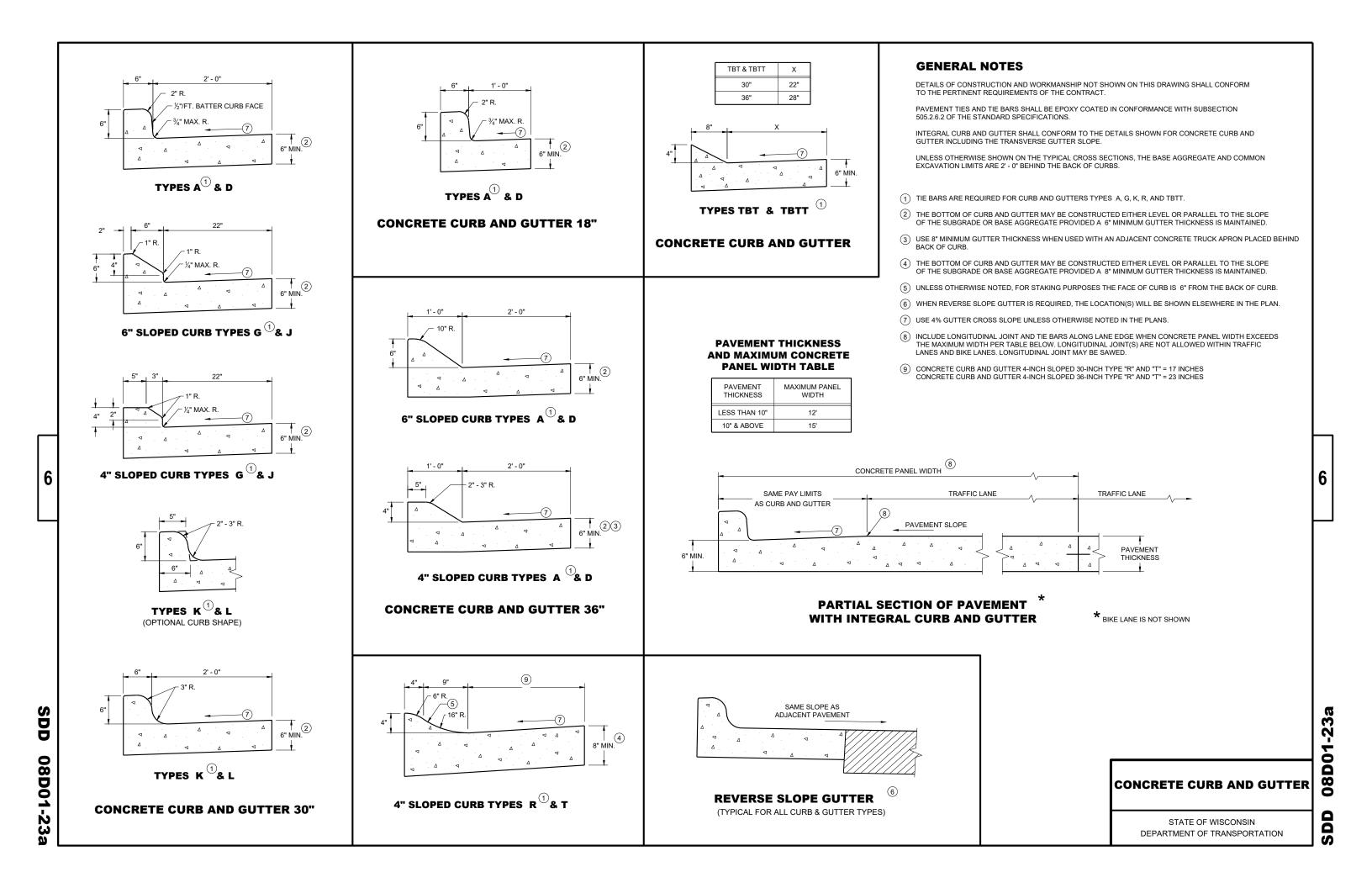
CONSTRUCTION STAKING SUMMARY	SAWI NG SUMMARY												
650. 5500 CONSTRUCTION STAKING	690.0150 690.0250 SAWING ASPHALT SAWING CONCRETE CATEGORY STATION - STATION LOCATION LF LF												
CURB GUTTER AND CURB & GUTTER CATEGORY STATION - STATION LF	0010 11+00 - 32+27 RT/LT 205 120												
0010 11+00 - 32+27 390													

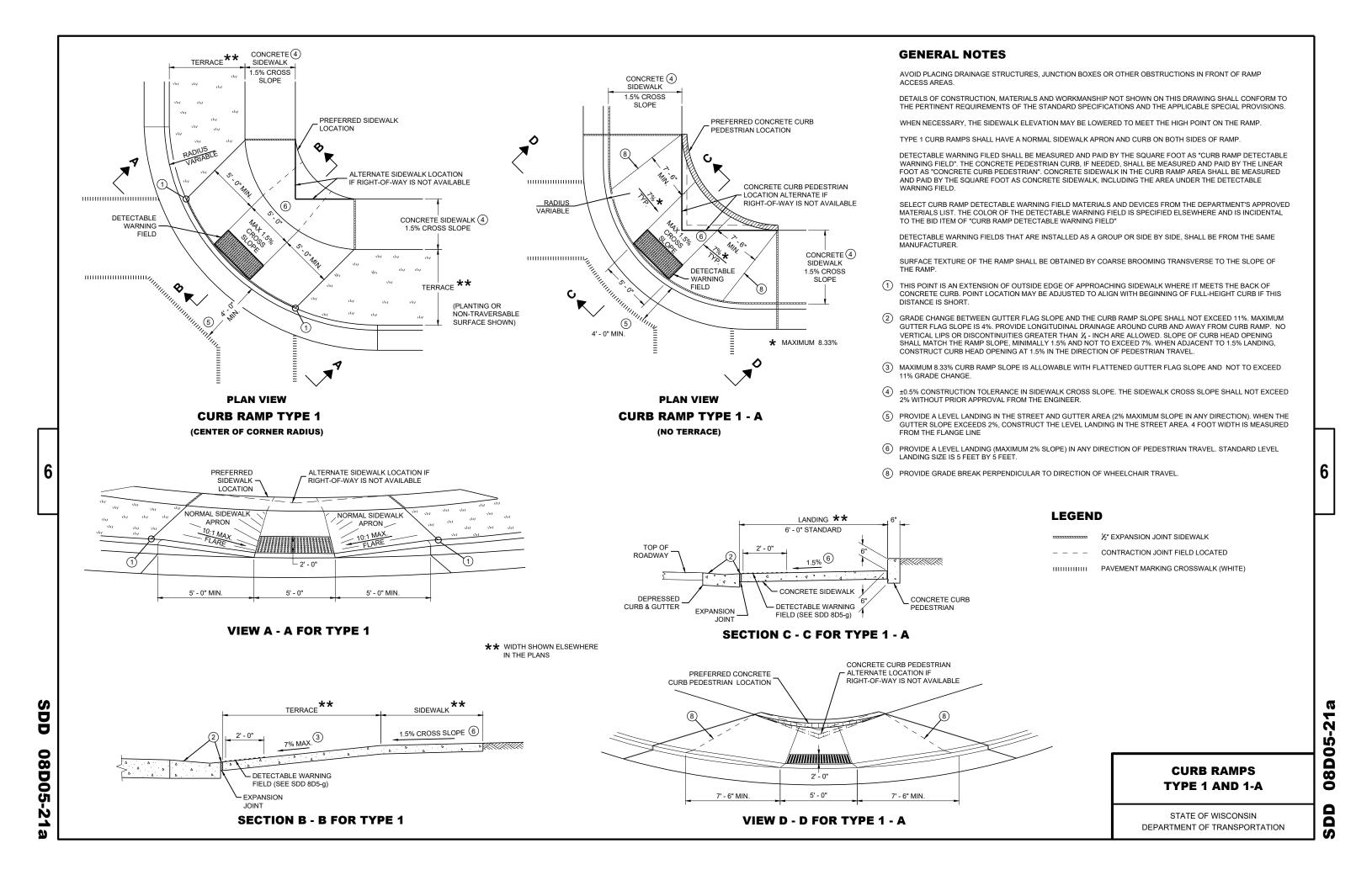
PROJECT NO: 3835-00-75 HWY: INNOVATION DR COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**FILE NAME: _______ PLOT BY: _____ PLOT NAME: PLOT SCALE: 1"=1" WISDOT/CADDS SHEET 42

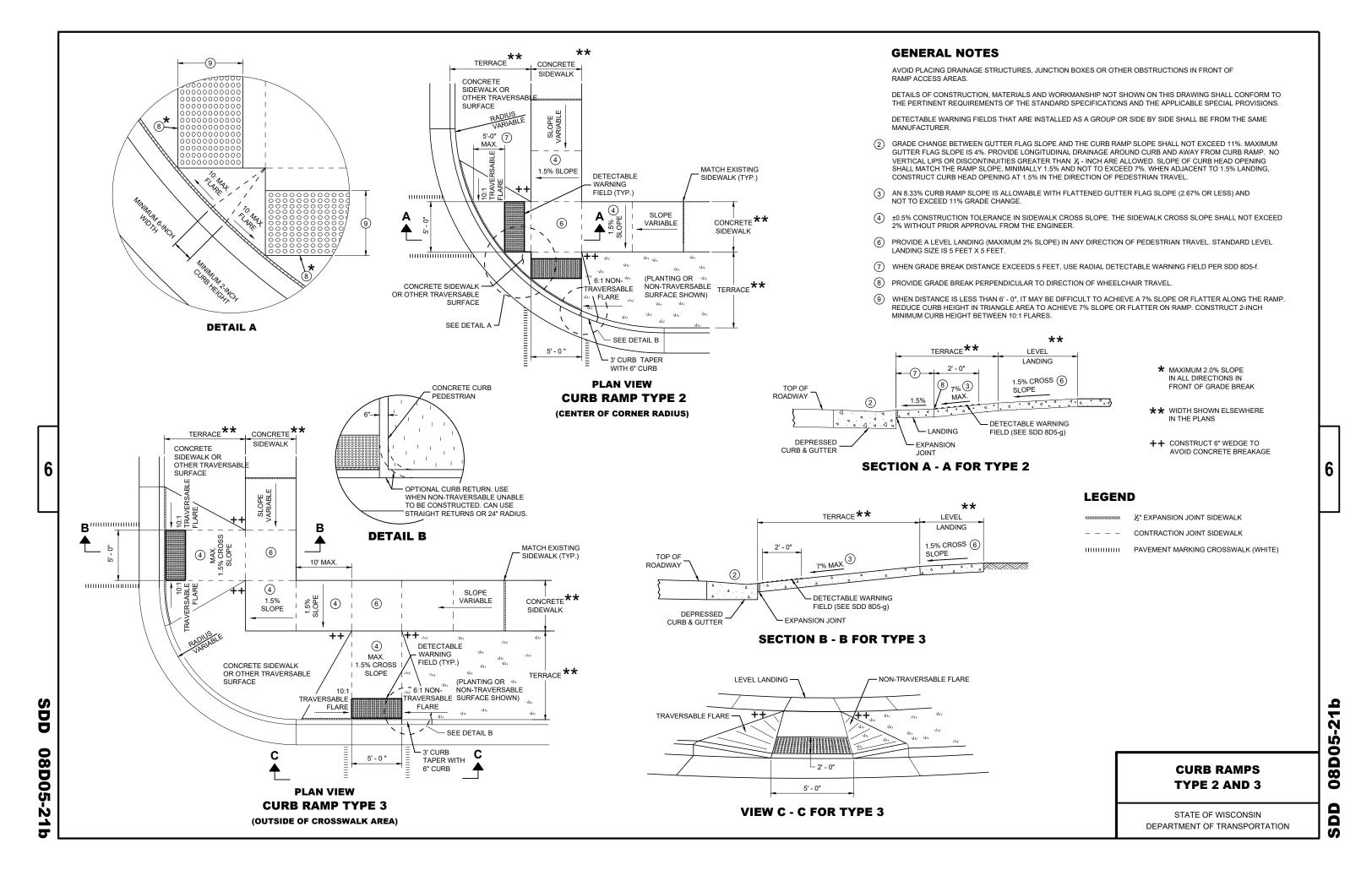
Standard Detail Drawing List

08D01-23A	CONCRETE CURB & GUTTER
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-09В	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C29-08A	BICYCLE LANE MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING

6



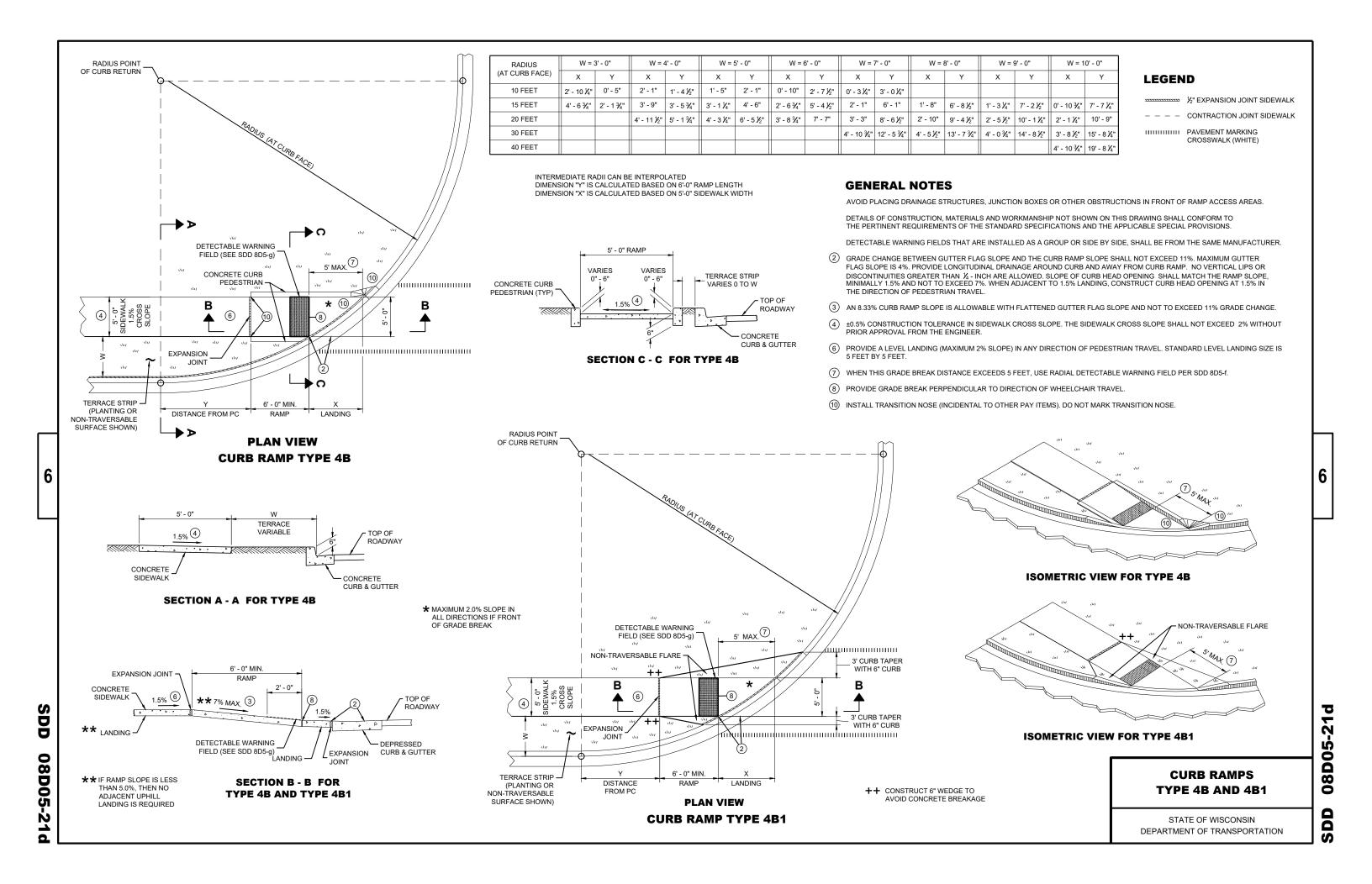


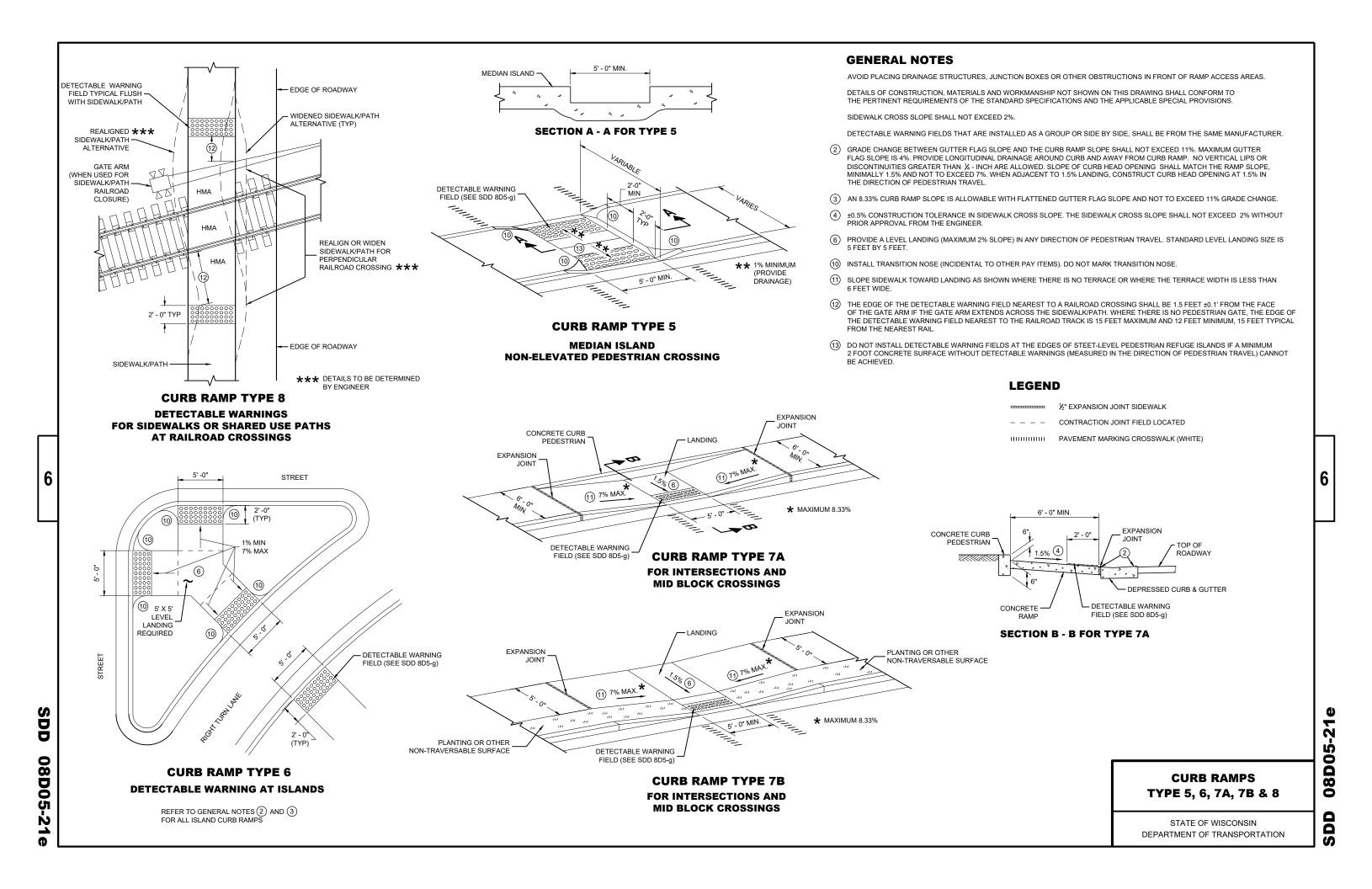


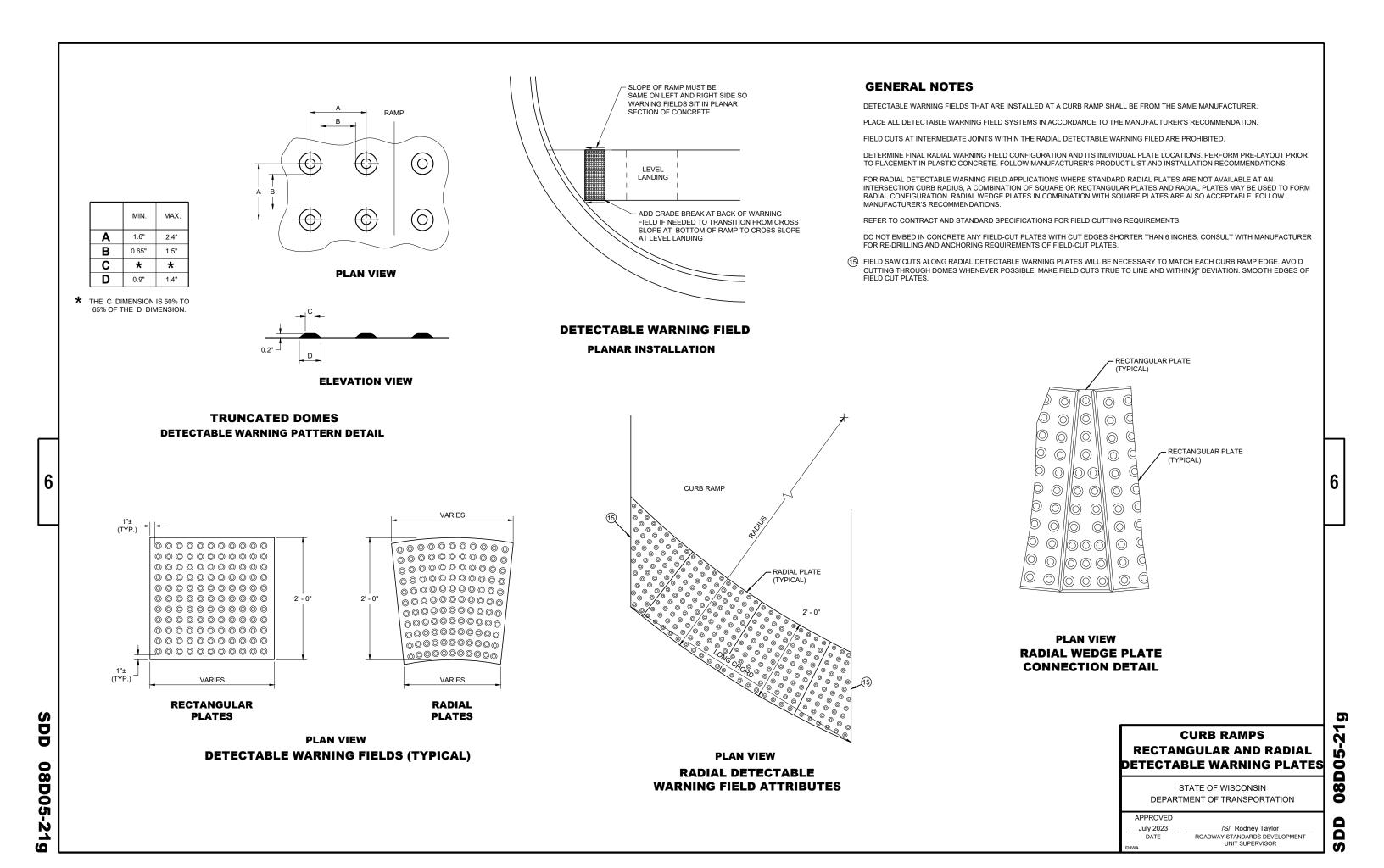
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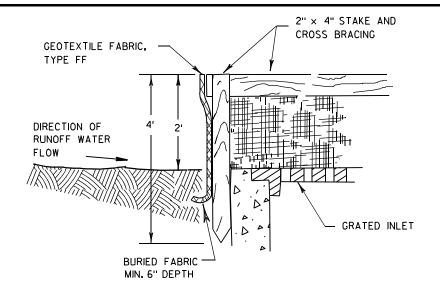
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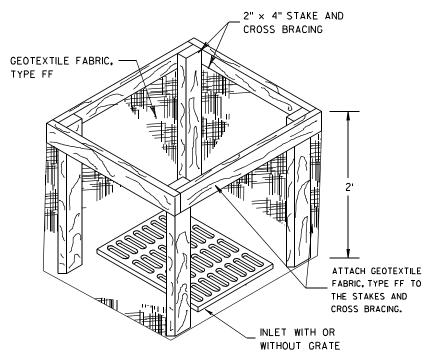
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION











INLET PROTECTION, TYPE A

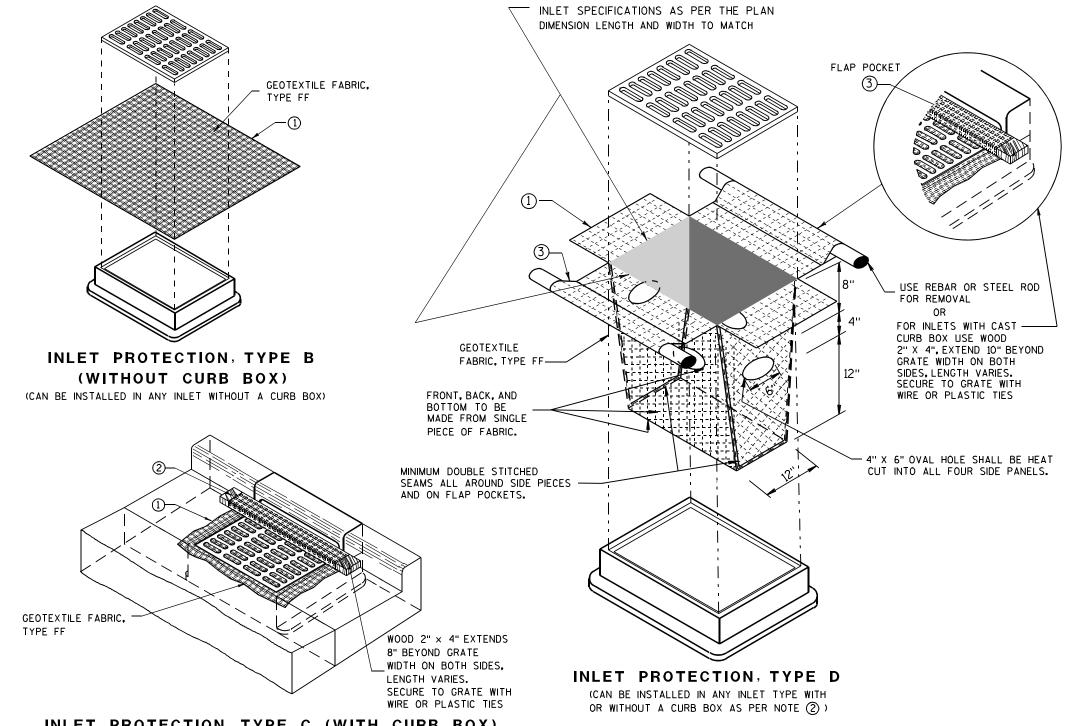
GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

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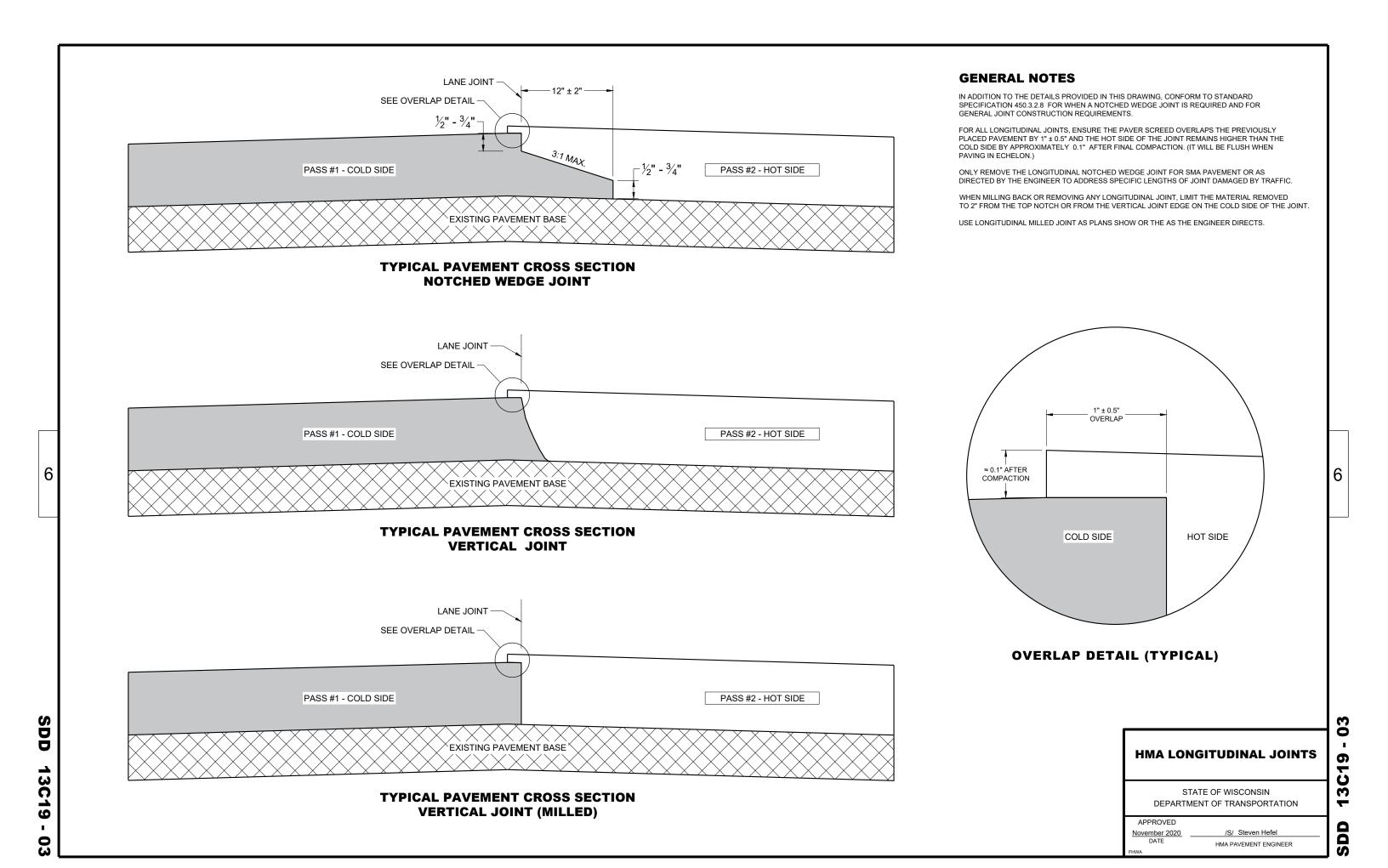
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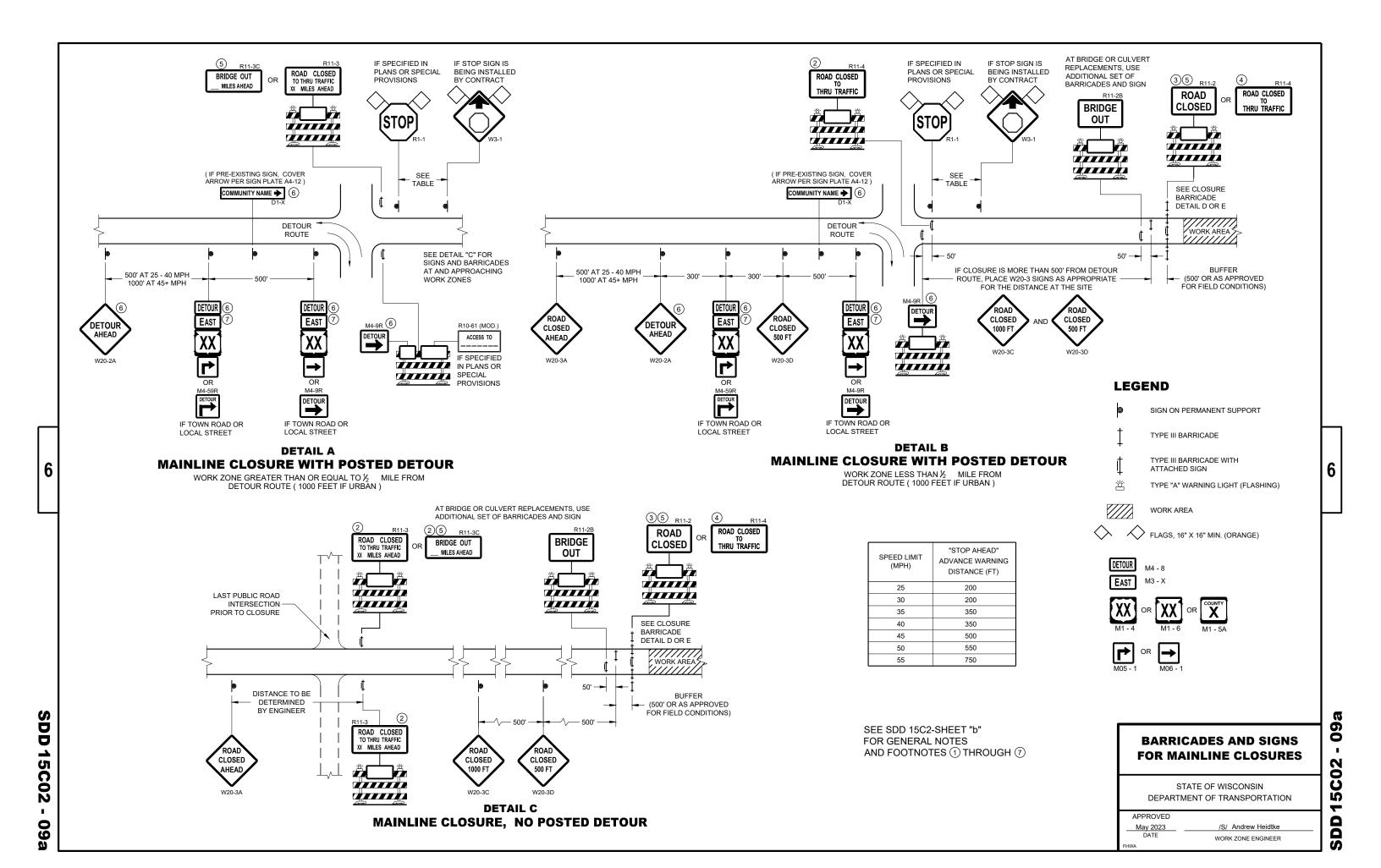
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

10/16/02





TWO- WAY

TYPE "A" WARNING

LIGHTS REQUIRED

12" MAX. →

TWO-WAY TYPE "A" WARNING LIGHTS REQUIRED ROAD CLOSED TO THRU TRAFFIC ROAD CLOSED TO THRU TRAFFIC ROAD CLOSED TO THRU TRAFFIC

BRIDGE

OUT

ROAD

CLOSED

RAMP

CLOSED

DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS) D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 2 AND R11 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- (7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

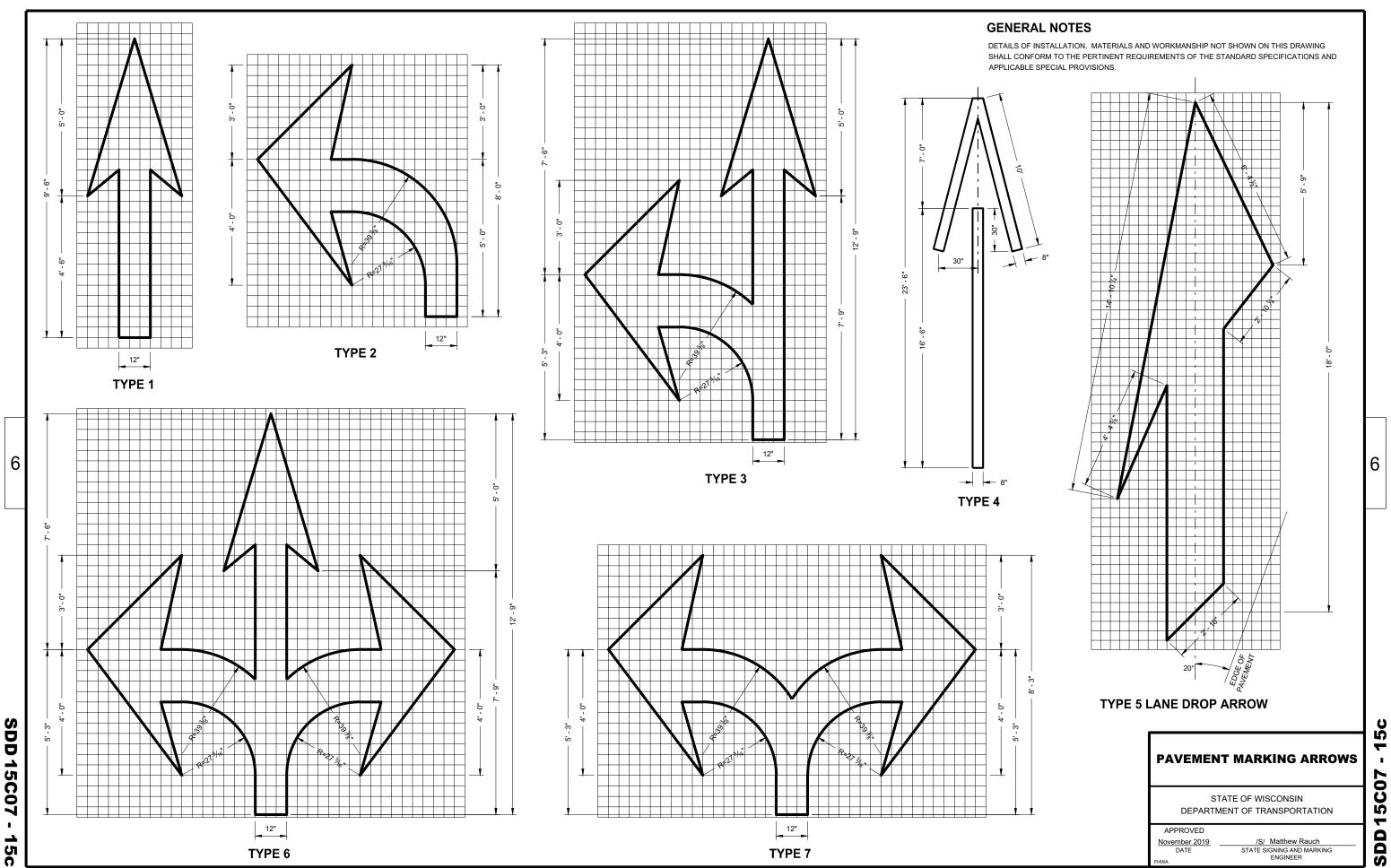
APPROVED May 2023

May 2023 /S/ Andrew Heidtke

DATE WORK ZONE ENGINEER

015C02 -

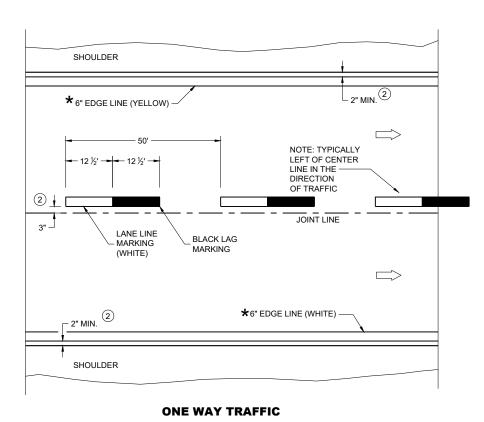
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TYPE 7

TYPE 6

SDD



PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- 1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- (2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

PERMANENT LONGITUDINAL **PAVEMENT MARKINGS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

May 2023 DATE

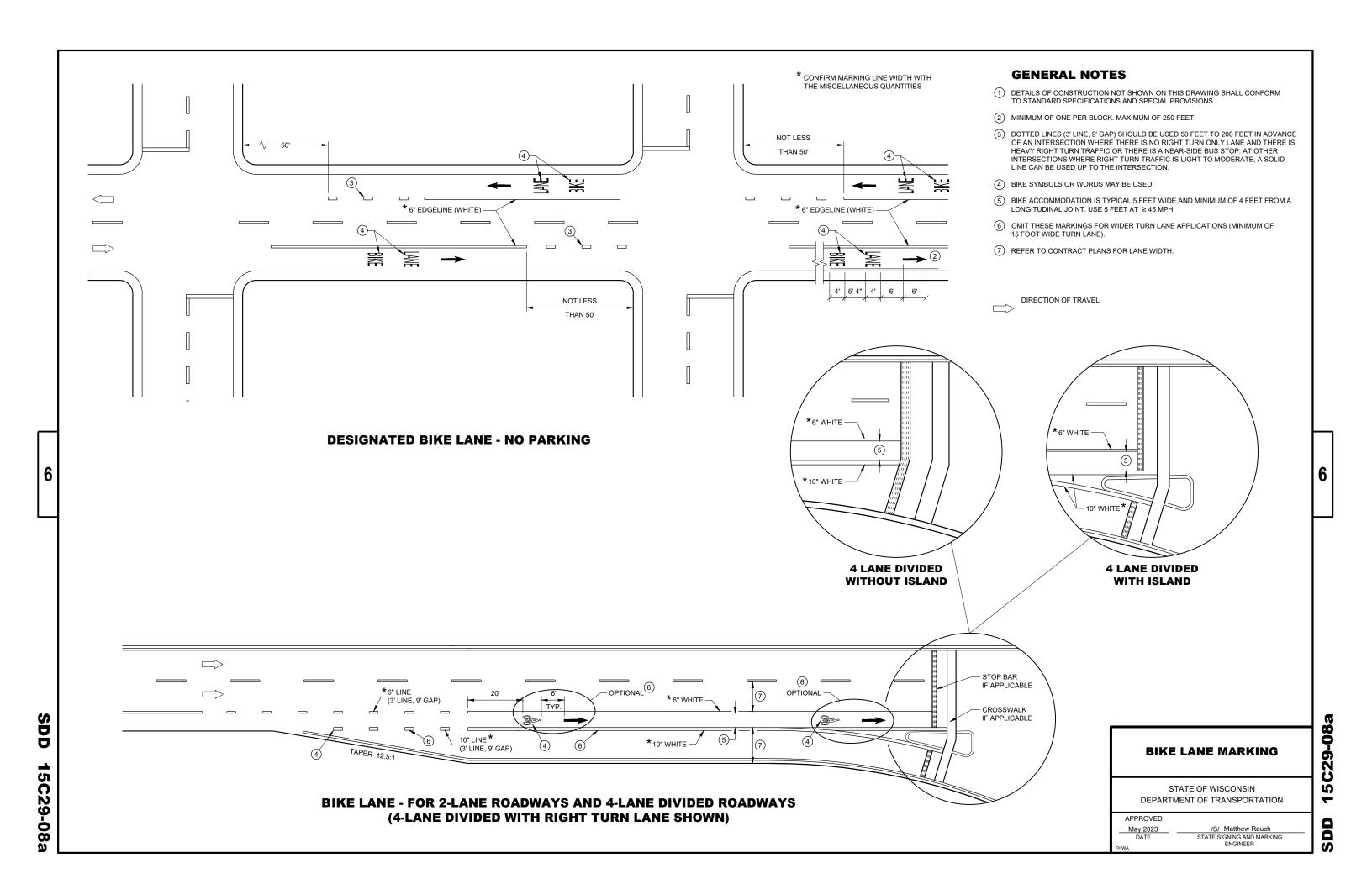
/S/ Jeannie Silver Statewide Pavement Marking Engineer

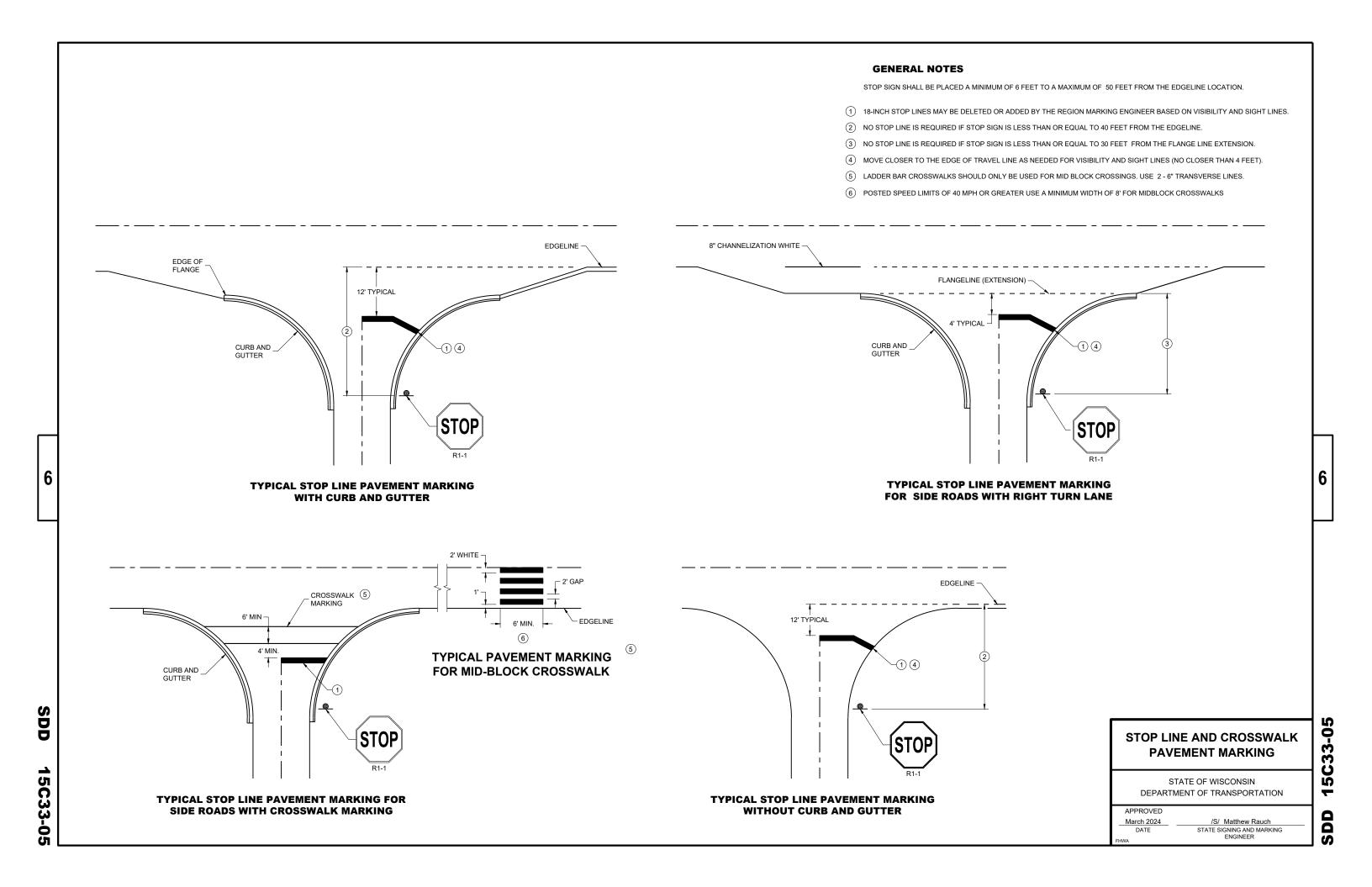
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SDD

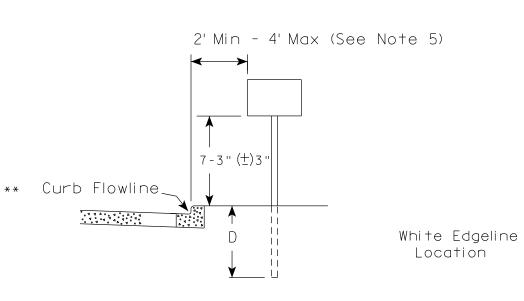
C08-23 Ŋ SD

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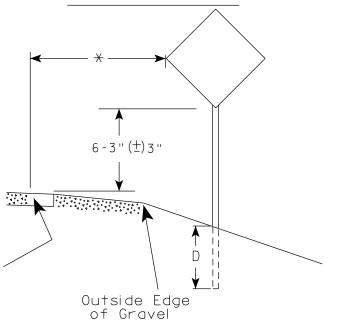








RURAL AREA (See Note 2)



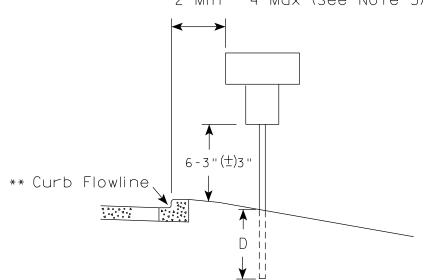
GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (\pm) 3".

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) 3" or 6'-3" (\pm) 3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{-}$) 3''.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. _A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

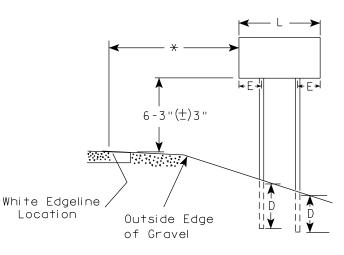
PLOT NAME :

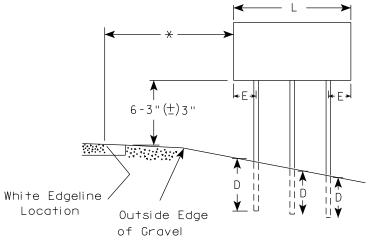
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

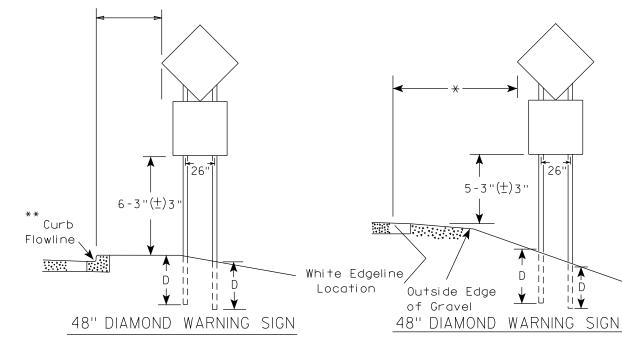
APPROVED

WISDOT/CADDS SHEET 42





2'Min - 4'Max (See Note 6)



	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)	
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

HWY:

SIGN SHAPE OTHER THAN	DIAMOND
(THREE POSTS REQUIR	RED)
L	E
Greater than 108" to 144"	12''

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

	ı
Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CUEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

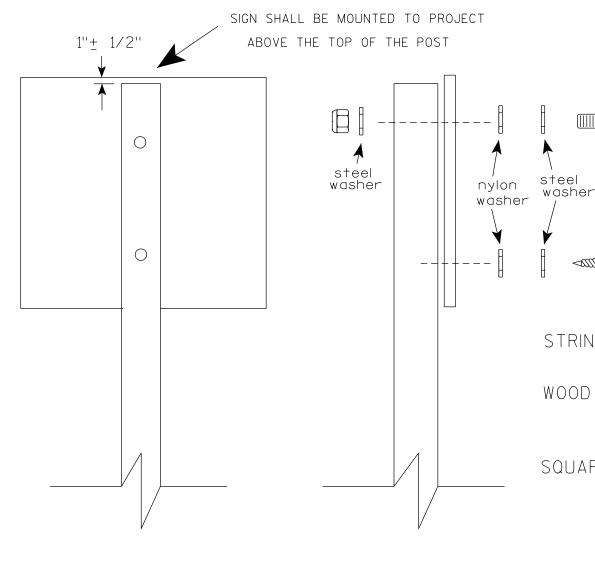
COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 3/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

APPROVED

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

WISCONSIN DEPT OF TRANSPORTATION

Matther ≠or State Traffic Engineer

SHEET NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

31/2"

VIEW FROM TOP

GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED //

DATE 4/19/2022 PLATE NO. _A5-10.3

ATE 4/19/2022 PLATE NO. _

SHEET NO:

SIGN

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

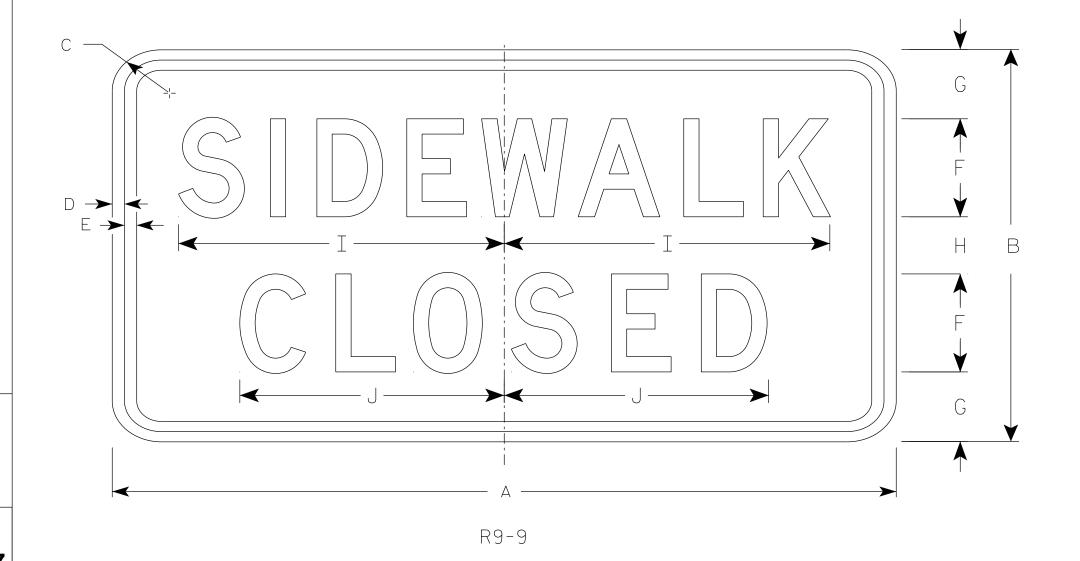
Ε

NOTES

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.



SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	Ν	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 1/2	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

COUNTY:

STANDARD SIGN R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE <u>1/24/24</u>

PLATE NO. <u>R9-9.7</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.dgn

HWY:

PROJECT NO:

PLOT DATE: 24-JAN 2024 11:55

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$WISDOT/CADDS SHEET 42

1

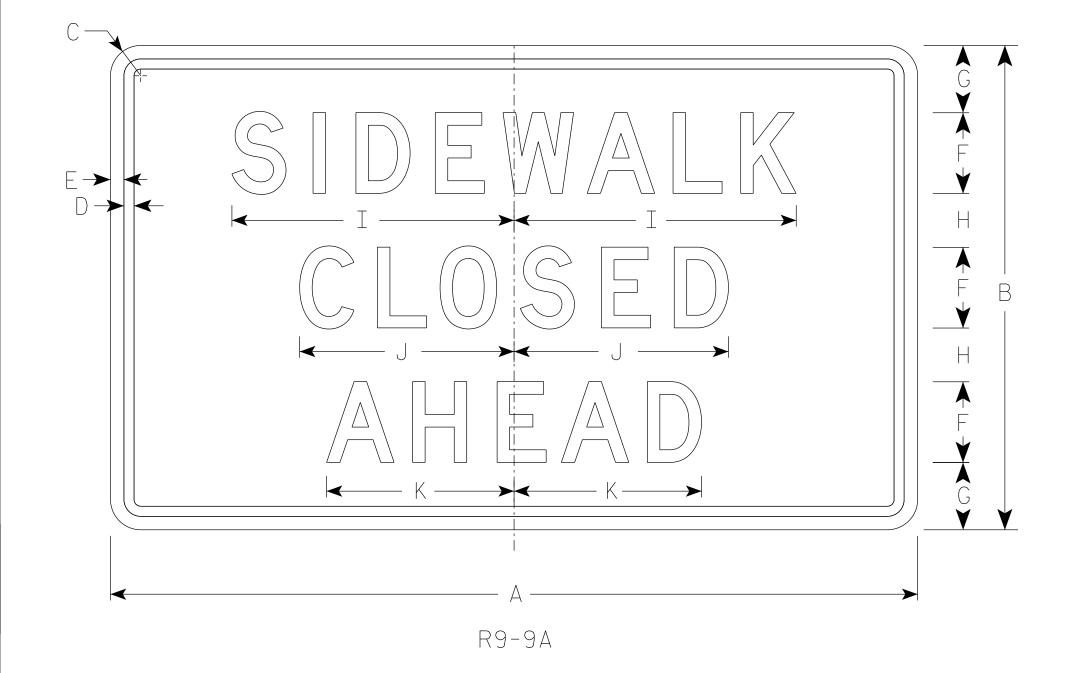
NOTES

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White

Message – Black

3. Message Series - D



l																											
SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	30	18	1 1/2	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/2	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											
PROJECT NO: HWY:								COUNTY:																			

STANDARD SIGN R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew f_{or} State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2 SHEET NO:

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R99A.DGN

PLOT DATE : 24-JAN 2024 11:58

PLOT BY: mscj9h

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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